ThinkPad E455 Platform Specifications

Processor

AMD Accelerated Processor A6, A8, or A10 APU

Processor Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	Memory speed	Graphics
A6-7000	2	2	2.2 GHz	3.0 GHz	1MB	DDR3L-1600	R4 HD
A8-7100	4	4	1.8 GHz	3.0 GHz	4MB		R5 M240
A10-7300	4	4	1.9 GHz	3.2 GHz	4MB		R7 M260DX (R6+R5 M240)

Graphics

AMD Radeon™ R4 HD Graphics in processor only,
AMD Radeon R5 M240 Graphics, 2GB DDR3 memory, or
Dual Graphics support for A10 APU
digital monitor support via HDMI™ (supporting HDCP to output protected content);
supports dual independent display
Max resolution: 1920x1080 (HDMI)@60Hz

Chipset

AMD A76M FCH Chipset

Memory

16GB max[7] / PC3-12800 1600MHz DDR3L, non-parity, dual-channel capable,
two 204-pin SO-DIMM sockets

Display

Some: 14.0" (355mm) HD (1366x768) color, anti-glare, LED backlight,
200 nits, 16:9 aspect ratio
Some: 14.0" (355mm) FHD (1920x1080) color, anti-glare, LED backlight,
220 nits, 16:9 aspect ratio

Multi-touch

None

Storage

Some: SSD / SATA 6.0Gb/s, 2.5" wide, 7mm high, removable, upgradable
Some: HDD / SATA 6.0Gb/s, 2.5" wide, removable,
upgradable, Shock Mounted Hard Drive, Active Protection System™
Some: Hybrid drive with 8GB NAND flash memory

Optical

None

M.2 SSD

None

Ethernet

Realtek® RTL8111GUS Gigabit Ethernet Connection

Bluetooth™

Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter

WLAN

One of the following, configurable by model:

- RTL8723BE, Realtek 11b/g/n, 1x1, Wi-Fi + Bluetooth combo adapter, M.2 Card
- BCM43162, Broadcom 11-AC, 1x1, Wi-Fi + BT combo adapter, M.2 Card

WWAN

None

SIM card

None

Smart Card Read

None

ExpressCard

None

Dimensions

None Touch(WxDxH): 13.34" x 9.40" x 0.94" (339mm x 239mm x 24mm)

Weight

From 4.00 lb (1.81kg)

Case color

Graphite black

Case Materal

PolyCarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic

Multicard Reader

4-in-1 reader (MMC, SD, SDHC, SDXC)

Ports

Two USB 3.0, one USB 2.0 (Always On), Ethernet (RJ-45), HDMI,
Lenovo OneLink connector, combo audio / microphone jack

Monitor cable

None

Camera

HD720p resolution, fixed focus

Audio support

HD Audio, Conexant® CX20751 codec, Dolby® Advanced Audio™ v4 /
stereo speakers, 2W x 2 / dual array microphone, combo audio / microphone jack

Keyboard

6-row, spill-resistant, multimedia Fn keys

UltraNav™

TrackPoint® pointing device and multi-touch with 3+2 buttons click pad

ThinkLight™

None

Security

Power-on password, hard disk password, supervisor password, security keyhole

Security chip

None

vPro

None

Fingerprint reader

None

NFC

None

Battery type

Li-Ion 6-cell (47Wh)

Battery life

Up to 6.5 hr

AC adapter

Some: 45-watt AC adapter (Integrated Graphics)
Some: 65-watt AC adapter (Discrete Graphics)

Preload

Some: No operating system

Some: Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64-bit

- Lenovo Solution Center
- Lenovo SHAREit
- ThinkVantage Product Recovery
- Rescue and Recovery™
- ThinkVantage System Update
- PC Device Stage
- Adobe® Reader®
- Evernote®
- Skype™
- Maxthon Cloud Browser
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)

Some: Windows 8.1 64-bit

Some: Windows 8.1 Pro 64-bit

- Lenovo Solution Center
- Lenovo SHAREit
- Lenovo Companion
- ThinkVantage System Update
- PC Device Stage
- Weather Channel
- Evernote
- Maxthon Cloud Browser
- Norton Studio
- Microsoft Office preloaded; purchase a product key to activate
- Norton Internet Security (30 days of virus definitions)

Limited warranty

1-year - depot repair service / service upgrades available

Environment

EPEAT™ Gold; ENERGY STAR®; RoHS-compliant

See footnotes for more detailed information

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